

AMENDMENTS TO THE CLAIMS

Please amend the claims as follows:

1. (Currently Amended) System for in-situ control of the orientation of a vehicle headlamp equipped with a light source fixed on a mobile reflector, which includes

 a camera mounted in the vehicle and observing a road scene extending in front of the vehicle,

 an image processing unit connected to the camera, and producing a processed image of the scene extending in front of the vehicle, and

 means for determining from this processed image a horizon line of the road scene extending in front of the vehicle, means for determining a specific light point emission device in the road scene located at a predetermined distance from the horizon line,

 means for emitting a point of light in the road scene extending in front of the vehicle, and

 means for adjusting the orientation of the headlamp until the point of light coincides with this specific point.
2. (Original) Control system according to claim 1, wherein the specific light point emission device is mounted on the reflector.

3. (Original) Control system according to claim 1, wherein the specific light point emission device is a laser beam source.
4. (Original) Control system according to claim 1, wherein the specific light point emission device is an infrared diode or a VC SEL diode.
5. (Original) Control system according to claim 1, wherein the camera is an infrared camera.
6. (Original) Process for in-situ control of the orientation of a vehicle headlamp, which includes the following operations:
 - recording of images of a road scene extending in front of the vehicle,
 - processing of at least one image of the road scene and production of a processed image,
 - determination, from this processed image, of a horizon line of the road scene,
 - determination of a specific point in the road scene located at a pre-defined distance from the horizontal line,
 - adjustment of the orientation of the headlamp until a point of light emitted by the headlamp coincides with the specific point.
7. (Original) Control process according to claim 6, wherein the light point emitted by the headlamp is different from a light beam illuminating the road scene.

8. (Original) Control process according to claim 6, wherein the image processing operation involves processing at least two images in order to produce a processed image.
9. (Original) Control process according to claim 8, wherein the two-image processing operation involves subtracting one image from the other.
10. (Original) Control process according to claim 9, wherein the two-image processing operation involves the performance of a threshold operation on the image obtained after subtraction.
11. (Original) Control process according to claim 6, wherein the operation to determine a horizon line involves determining perspective lines in the processed image and deriving the horizontal line from these.
12. (Original) Control process according to claim 6, wherein the pre-defined distance is constant.
13. (Currently Amended) Control process according to claim 6, wherein the pre-defined distance corresponds to a number of frame lines ~~of the camera~~ of a camera.

14. (Currently Amended) Control process according to claim 6, wherein the horizon line is extrapolated in relation to ~~the perspective lines and the~~ perspective lines and dimensions of the light point.

15. (Original) Vehicle headlamp including a mobile reflector actuated by a motor, and a light source fixed on the reflector, wherein in-situ orientation of the headlamp is controlled by the control system according to claim 1.